



15350 - Resolved BPT Mapping of Nearby AGN

Cycle: 25, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) NGC-1386	WFC3/UVIS	1	15-Sep-2017 13:00:15.0	yes
02	(9) NGC-4051	WFC3/UVIS	1	15-Sep-2017 13:00:17.0	yes
03	(10) NGC-4395	WFC3/UVIS	1	15-Sep-2017 13:00:18.0	yes
04	(7) NGC-3227	WFC3/UVIS	1	15-Sep-2017 13:00:19.0	yes
05	(11) NGC-5643	WFC3/UVIS	1	15-Sep-2017 13:00:20.0	yes
06	(5) NGC-2273	WFC3/UVIS	1	15-Sep-2017 13:00:21.0	yes
07	(3) ESO-383-35	WFC3/UVIS	1	15-Sep-2017 13:00:22.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	(6) NGC-3081	WFC3/UVIS	1	15-Sep-2017 13:00:23.0	yes
09	(2) NGC-3516	WFC3/UVIS	1	15-Sep-2017 13:00:24.0	yes
10	(8) NGC-3783	WFC3/UVIS	1	15-Sep-2017 13:00:25.0	yes
11	(4) NGC-2110	WFC3/UVIS	1	15-Sep-2017 13:00:26.0	yes
12	(12) NGC-5728	WFC3/UVIS	1	15-Sep-2017 13:00:27.0	yes
13	(13) NGC-5929	WFC3/UVIS	1	15-Sep-2017 13:00:28.0	yes
14	(14) NGC-4253	ACS/WFC	1	15-Sep-2017 13:00:29.0	yes
15	(15) MRK-3	ACS/WFC	1	15-Sep-2017 13:00:30.0	yes
16	(17) NGC-7469	ACS/WFC	1	15-Sep-2017 13:00:31.0	yes
17	(19) MRK-573	ACS/WFC	1	15-Sep-2017 13:00:32.0	yes
18	(16) NGC-7212	ACS/WFC	1	15-Sep-2017 13:00:33.0	yes
19	(18) NGC-7674	ACS/WFC	1	15-Sep-2017 13:00:34.0	yes

19 Total Orbits Used

ABSTRACT

Via BPT mapping using Hubble narrow filters, we have identified a "LINER cocoon" surrounding the ionization cone of the Seyfert 2 Galaxy NGC 3393. We propose to test the generality of "LINER cocoons" by observing 19 nearby AGN in the BPT definitional emission lines. We will use narrow filter observations of [S II] λ 6717,6731 AA and H-beta to survey a diverse sample of nearby Seyfert galaxies which already have [O III] λ 5007 AA and H-alpha. By mapping [O III]/H-beta and [S II]/H-alpha, we will create Baldwin-Phillip-Terlevich (BPT) maps of the ionization bicones and surrounding areas, resolved on scales of only ~ 10 pc. We will use these maps to investigate effects of morphology, bicone orientation, and AGN luminosity on LINER production, which will provide important insights to LINERS produced by unresolved AGN at larger redshifts.

OBSERVING DESCRIPTION

We are obtaining new narrow-line observations of rest-frame [S II] λ 6717,6730, H-beta λ 4861, and the continuum between [O I] λ 6365 and [N II] λ 6550 in a wide variety of low-redshift Seyfert galaxies. These will allow us to study the effects of various aspects of line excitation in the AGN Narrow Line Region (NLR) by spatially map line excitation, particularly in terms of the Baldwin-Phillips-Terlevich (BPT) diagram. Such maps will be

constructed by cross-referencing the new data with archival [O III]5007 (or 4959 when necessary) and H-alpha+[N II].

Since these are bright, nearby galaxies, they have long been popular targets for HST and much of the archival data has therefore been taken using WFPC2. This sets limits for the expected brightness of pre-existing [O III] and H-alpha observations, which have typically been taken in a single orbit or less. We therefore designed this program to be conducted with a single orbit per target.

We are using narrow line filters with WFC3 wherever possible. At low redshifts, we can use F487N for H-beta, F673N [S II] and F645N for continuum. At modest redshifts ($0.008 < z < 0.01$), we must use the quad filter FQ492N instead of F487N for H-beta. This limits our field-of-view and introduces minor contributions from [O III] which can be modeled. Due to the size of the NLR, field-of-view can be small, but we use full-frame wherever possible to improve the legacy value of the data. At larger redshifts ($z > 0.01$) we must use the ramp filters on ACS/WFC, which we tune according to redshift. Orbits are harder to pack with the ramp filters than with WFC3, so we use the WFC1-MRAMPQ subarray to reduce buffer dump demands (and the useful ramp field-of-view is limited anyways). One object, NGC 7674, has its H-beta line fall in the [O III] filter for ACS/WFC by a coincidence, so we use that instead of a ramp filter.

Some filters may be modified from the Phase I request due to more detailed checking of effective wavelength coverage.

We have modeled exposure times for our brighter objects and do not think saturation should be an issue, but it would be good to have confirmation.

A CR-split would probably be adequate for our science per filter per pointing, but we have instead used a 2-point dither strategy to mitigate cosmic rays and modestly oversample the PSF since the overhead cost is small. Additional dither points are probably not possible for such densely packed orbits, unless we use subarrays. But again this should not be necessary.

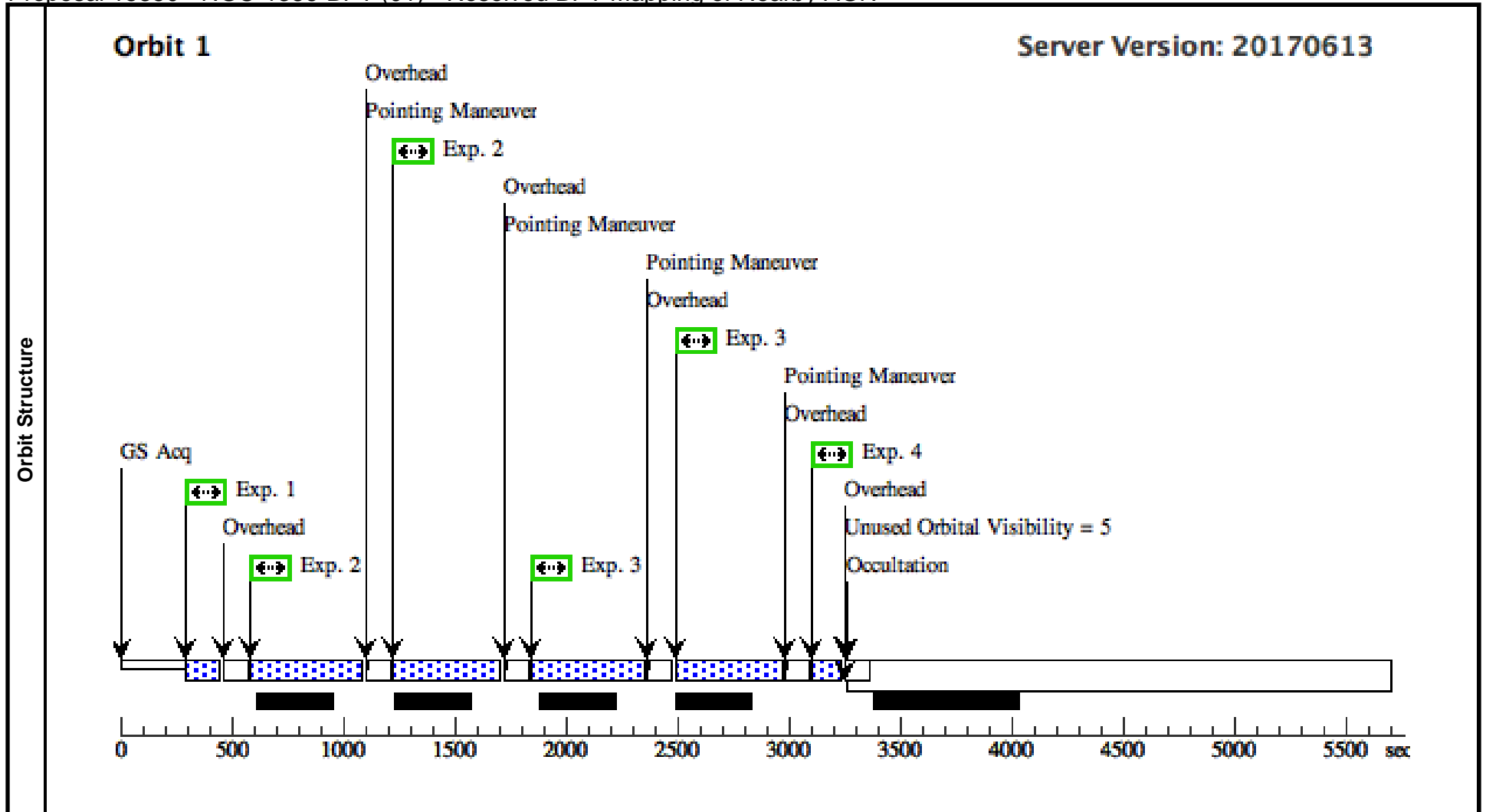
We received numerous warnings about CTE and low surface brightness, so we have introduced post-flash and flash for each exposure (12 electrons for WFC3, 20 for ACS). These are mostly bright extended objects so this may be unnecessary, but based on previous experience with CTE problems some caution may be warranted, particularly since the filters are narrow and we are interested in any fine extended structure that we can detect. If the flashes can be removed or reduced, it might be good to do so since the short exposure times also make readout noise more important.

All current warnings involve POS and TARG concerns due to dithering with the quad filters or ramp filters. We have double-checked all fields-of-view in Aladin to ensure good coverage of the fields-of-interest.

Proposal 15350 - NGC-1386-BPT (01) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:35 GMT 2017

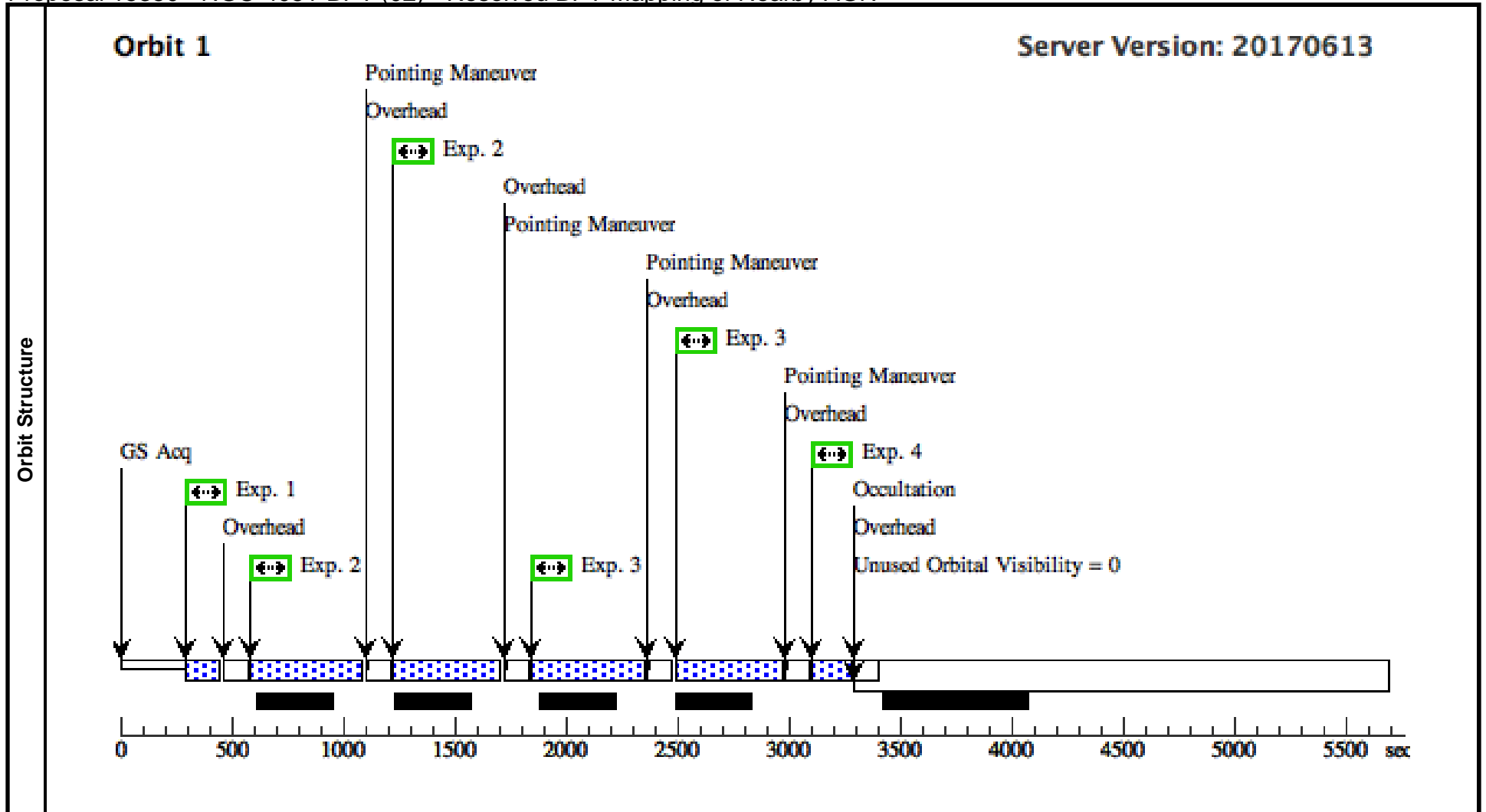
Visit	Proposal 15350, NGC-1386-BPT (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1386	RA: 03 36 46.2380 (54.1926583d) Dec: -35 59 57.39 (-35.99928d) Equinox: J2000		V=11.23	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(1) NGC-1386	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (121 Secs)	
									[==>121.0 Secs]	[1]
	2	S2	(1) NGC-1386	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-1386-BPT (01) (1)	450 Secs (962 Secs)	
									[==>481.0 Secs (Pattern 1)]	[1]
								[==>481.0 Secs (Pattern 2)]		
3	Hbeta	(1) NGC-1386	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-1386-BPT (01) (1)	450 Secs (962 Secs)		
								[==>481.0 Secs (Pattern 1)]	[1]	
								[==>481.0 Secs (Pattern 2)]		
4	CONTINUUM	(1) NGC-1386	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1			90 Secs (121 Secs)	
								[==>121.0 Secs]	[1]	



Proposal 15350 - NGC-4051-BPT (02) - Resolved BPT Mapping of Nearby AGN

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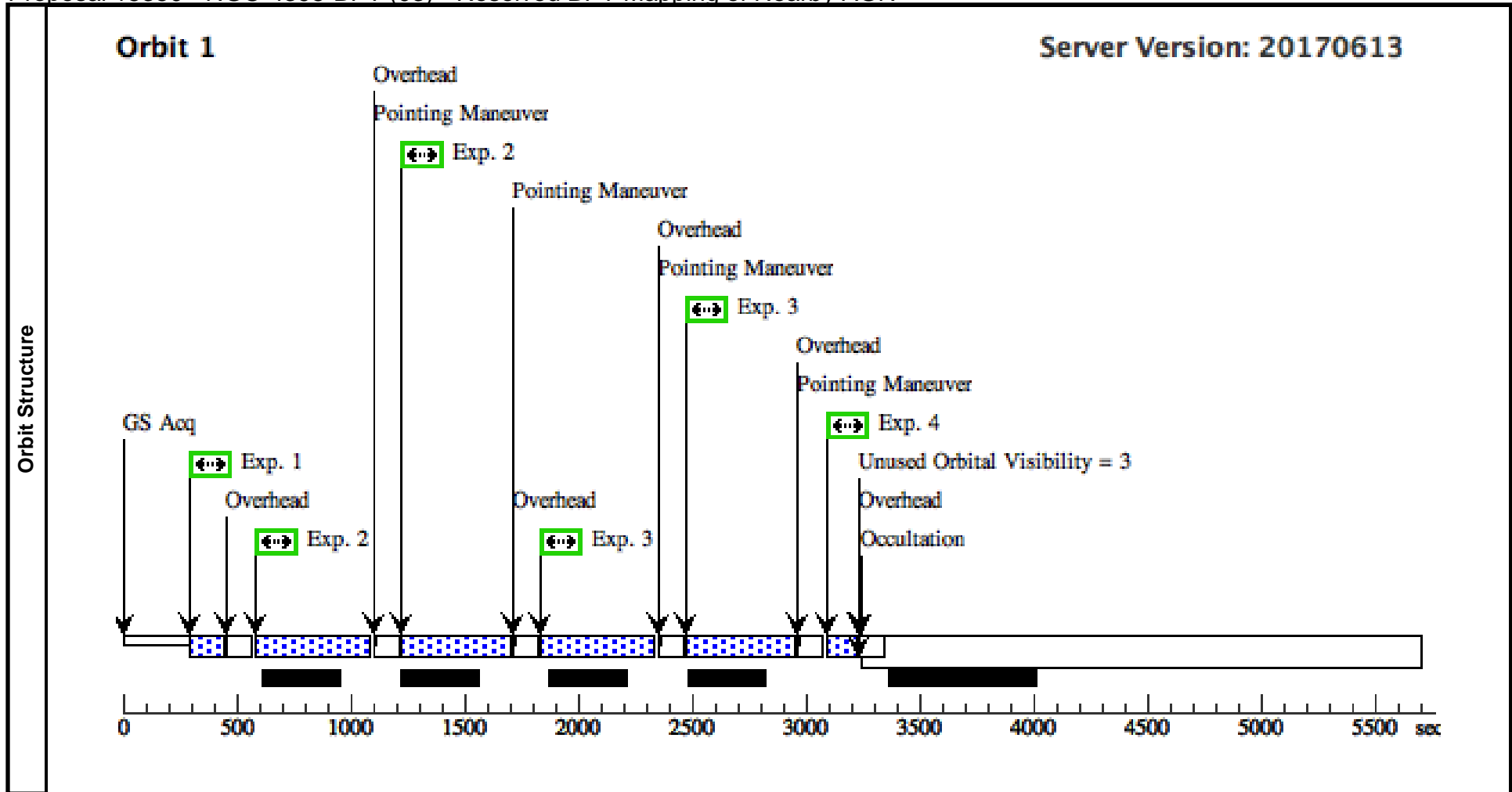
Visit	Proposal 15350, NGC-4051-BPT (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	NGC-4051	RA: 12 03 9.6860 (180.7903583d) Dec: +44 31 52.54 (44.53126d) Equinox: J2000		V=12.92	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(9) NGC-4051	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (121 Secs)	
									[==>121.0 Secs]	[1]
	2	S2	(9) NGC-4051	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-4051-BPT (02) (1)	450 Secs (962 Secs)	
									[==>481.0 Secs (Pattern 1)]	[1]
								[==>481.0 Secs (Pattern 2)]		
3	Hbeta	(9) NGC-4051	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-4051-BPT (02) (1)	450 Secs (962 Secs)		
								[==>481.0 Secs (Pattern 1)]	[1]	
								[==>481.0 Secs (Pattern 2)]		
4	CONTINUUM	(9) NGC-4051	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1			90 Secs (164 Secs)	
								[==>164.0 Secs]	[1]	



Proposal 15350 - NGC-4395-BPT (03) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:35 GMT 2017

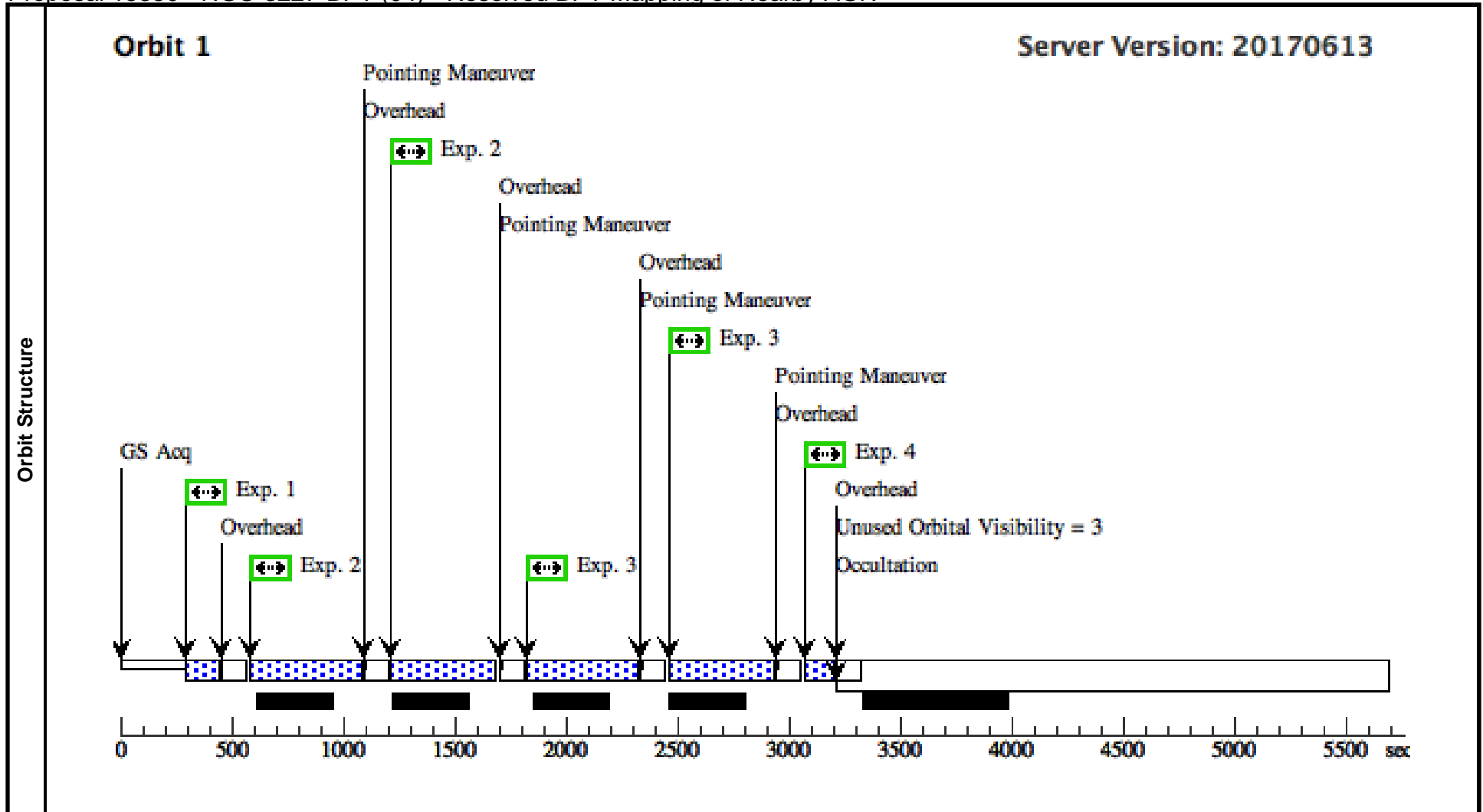
Visit	Proposal 15350, NGC-4395-BPT (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-4395	RA: 12 25 48.9220 (186.4538417d) Dec: +33 32 48.30 (33.54675d) Equinox: J2000		V=10.18	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(10) NGC-4395	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (118 Secs)	
									[==>118.0 Secs]	[1]
	2	S2	(10) NGC-4395	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-4395-BPT (03) (1)	450 Secs (956 Secs)	
									[==>478.0 Secs (Pattern 1)] [==>478.0 Secs (Pattern 2)]	[1]
3	Hbeta	(10) NGC-4395	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-4395-BPT (03) (1)	450 Secs (956 Secs)		
								[==>478.0 Secs (Pattern 1)] [==>478.0 Secs (Pattern 2)]	[1]	
4	CONTINUUM	(10) NGC-4395	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12		POS TARG 0.1,0.1	90 Secs (118 Secs)		
								[==>118.0 Secs]	[1]	



Proposal 15350 - NGC-3227-BPT (04) - Resolved BPT Mapping of Nearby AGN

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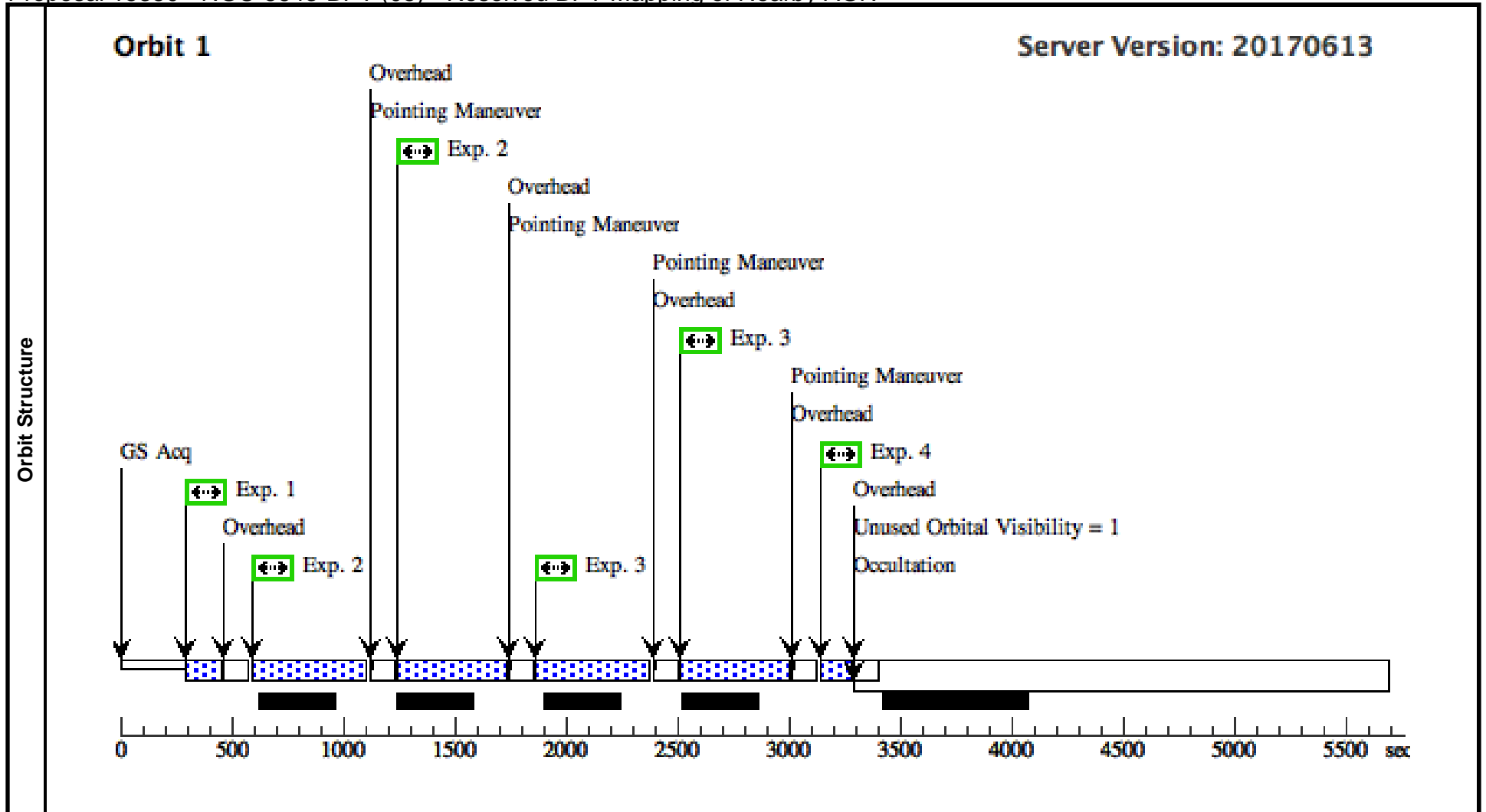
Visit	Proposal 15350, NGC-3227-BPT (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-3227	RA: 10 23 30.5700 (155.8773750d) Dec: +19 51 54.30 (19.86508d) Equinox: J2000		V=11.79	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(7) NGC-3227	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (114 Secs)	
									[==>114.0 Secs]	[1]
	2	S2	(7) NGC-3227	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-3227-BPT (04) (1)	450 Secs (948 Secs)	
									[==>474.0 Secs (Pattern 1)]	[1]
								[==>474.0 Secs (Pattern 2)]		
3	Hbeta	(7) NGC-3227	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-3227-BPT (04) (1)	450 Secs (948 Secs)		
								[==>474.0 Secs (Pattern 1)]	[1]	
								[==>474.0 Secs (Pattern 2)]		
4	CONTINUUM	(7) NGC-3227	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1			90 Secs (114 Secs)	
								[==>114.0 Secs]	[1]	



Proposal 15350 - NGC-5643-BPT (05) - Resolved BPT Mapping of Nearby AGN

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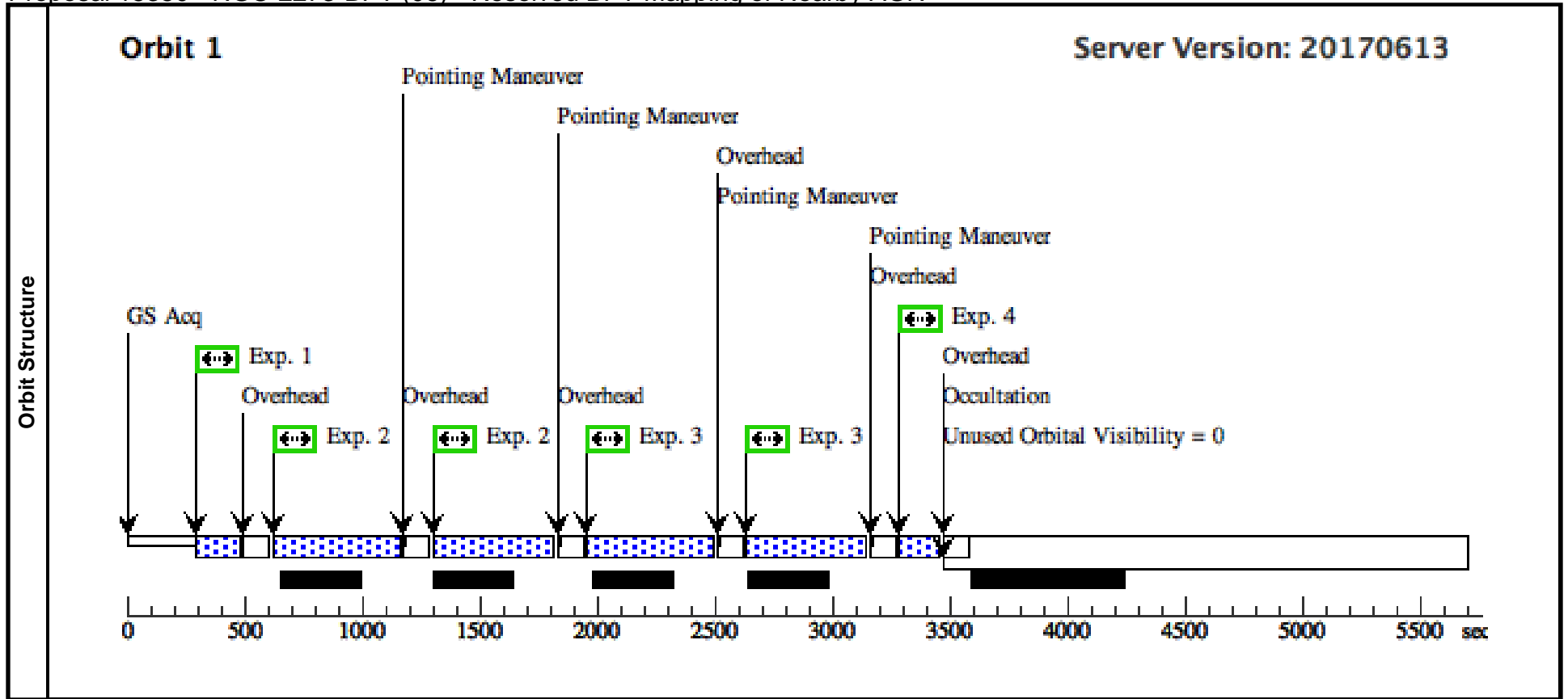
Visit	Proposal 15350, NGC-5643-BPT (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-5643	RA: 14 32 40.7780 (218.1699083d) Dec: -44 10 28.60 (-44.17461d) Equinox: J2000		V=13.6	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(11) NGC-5643	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (128 Secs)	
									[==>128.0 Secs]	[1]
	2	S2	(11) NGC-5643	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-5643-BPT (05) (1)	450 Secs (976 Secs)	
									[==>488.0 Secs (Pattern 1)]	[1]
								[==>488.0 Secs (Pattern 2)]		
3	Hbeta	(11) NGC-5643	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-5643-BPT (05) (1)	450 Secs (976 Secs)		
								[==>488.0 Secs (Pattern 1)]	[1]	
								[==>488.0 Secs (Pattern 2)]		
4	CONTINUUM	(11) NGC-5643	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12		POS TARG 0.1,0.1	90 Secs (128 Secs)		
								[==>128.0 Secs]	[1]	



Proposal 15350 - NGC-2273-BPT (06) - Resolved BPT Mapping of Nearby AGN

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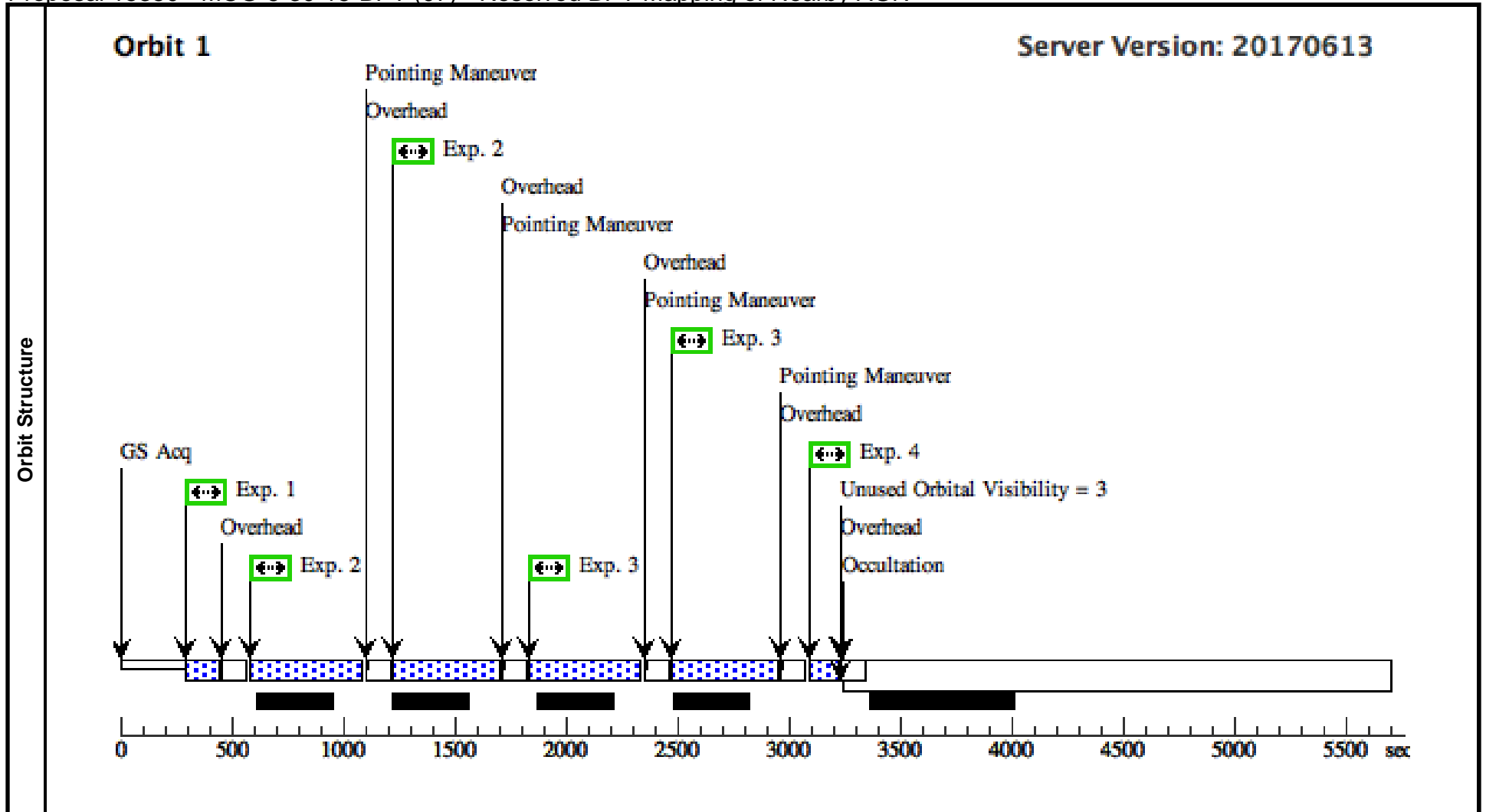
Visit	Proposal 15350, NGC-2273-BPT (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	NGC-2273	RA: 06 50 8.6630 (102.5360958d) Dec: +60 50 44.50 (60.84569d) Equinox: J2000		V=13.54	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(5) NGC-2273	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (157 Secs)	
									[==>157.0 Secs]	[1]
	2	S2	(5) NGC-2273	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-2273-BPT (06) (1)	450 Secs (1034 Secs)	
									[==>517.0 Secs (Pattern 1)]	[1]
								[==>517.0 Secs (Pattern 2)]		
3	Hbeta	(5) NGC-2273	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-2273-BPT (06) (1)	450 Secs (1034 Secs)		
								[==>517.0 Secs (Pattern 1)]	[1]	
								[==>517.0 Secs (Pattern 2)]		
4	CONTINUUM	(5) NGC-2273	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1			90 Secs (157 Secs)	
								[==>157.0 Secs]	[1]	



Proposal 15350 - MCG-6-30-15-BPT (07) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

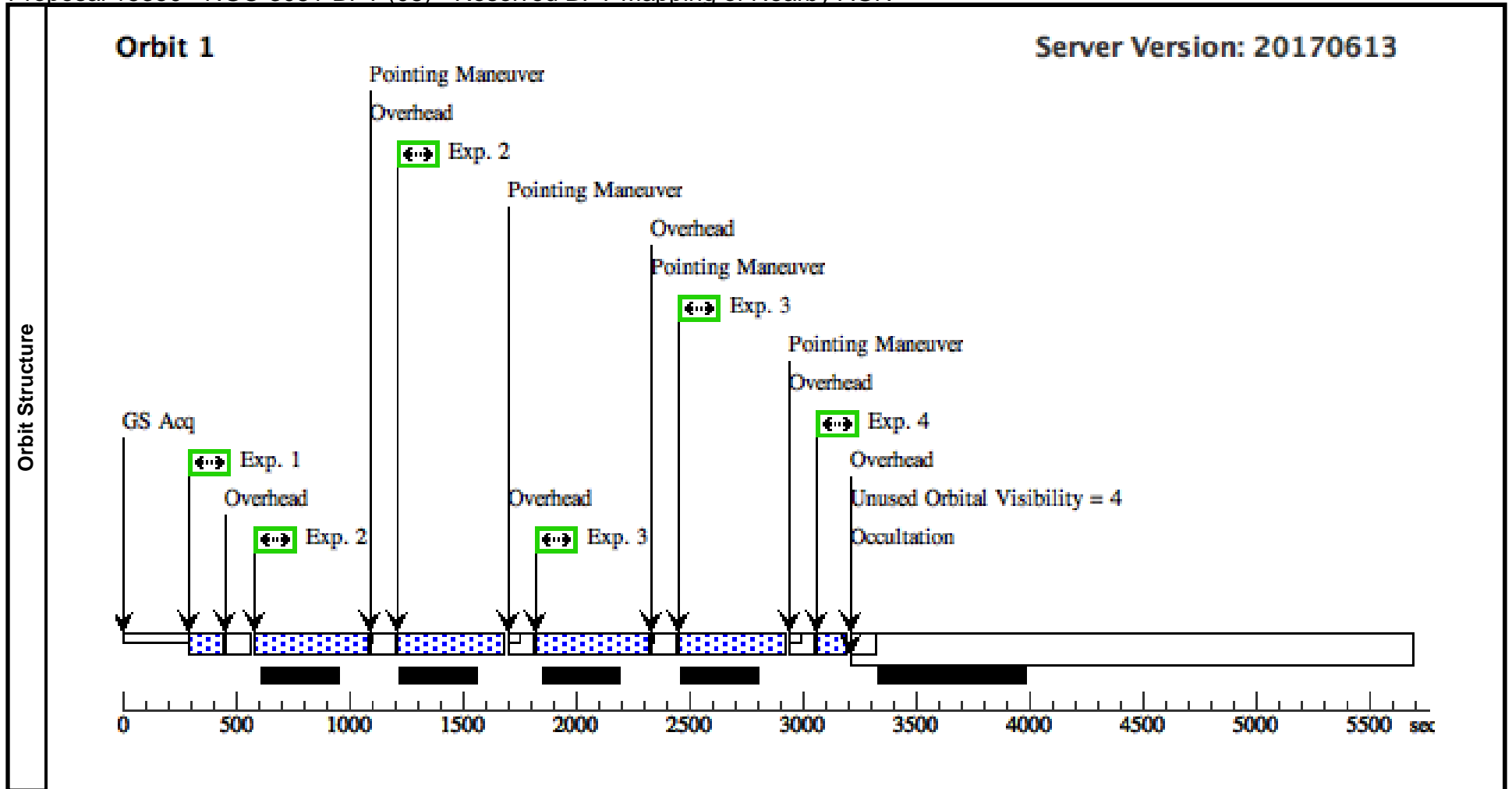
Visit	Proposal 15350, MCG-6-30-15-BPT (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 12D TO 16 D; ORIENT 155D TO 205 D; ORIENT 300D TO 315 D <i>Comments: Orientation constraints were added upon recommendation of the WFC3 team to reduce stray light. If this introduces major scheduling problems, please contact the PI about relaxing these constraints.</i>										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(2), (3)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	ESO-383-35	RA: 13 35 53.8000 (203.9741667d) Dec: -34 17 43.78 (-34.29549d) Equinox: J2000				V=13.61		Reference Frame: SIMBAD		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	CONTINUUM	(3) ESO-383-35	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (118 Secs)		
									[==>118.0 Secs]		[1]
	2	S2	(3) ESO-383-35	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in MCG-6-30-15-BPT (07) (1)	450 Secs (956 Secs)		
									[==>478.0 Secs (Pattern 1)]		[1]
								[==>478.0 Secs (Pattern 2)]			
3	Hbeta	(3) ESO-383-35	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in MCG-6-30-15-BPT (07) (1)	450 Secs (956 Secs)			
								[==>478.0 Secs (Pattern 1)]		[1]	
								[==>478.0 Secs (Pattern 2)]			
4	CONTINUUM	(3) ESO-383-35	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12		POS TARG 0.1,0.1	90 Secs (118 Secs)			
								[==>118.0 Secs]		[1]	



Proposal 15350 - NGC-3081-BPT (08) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

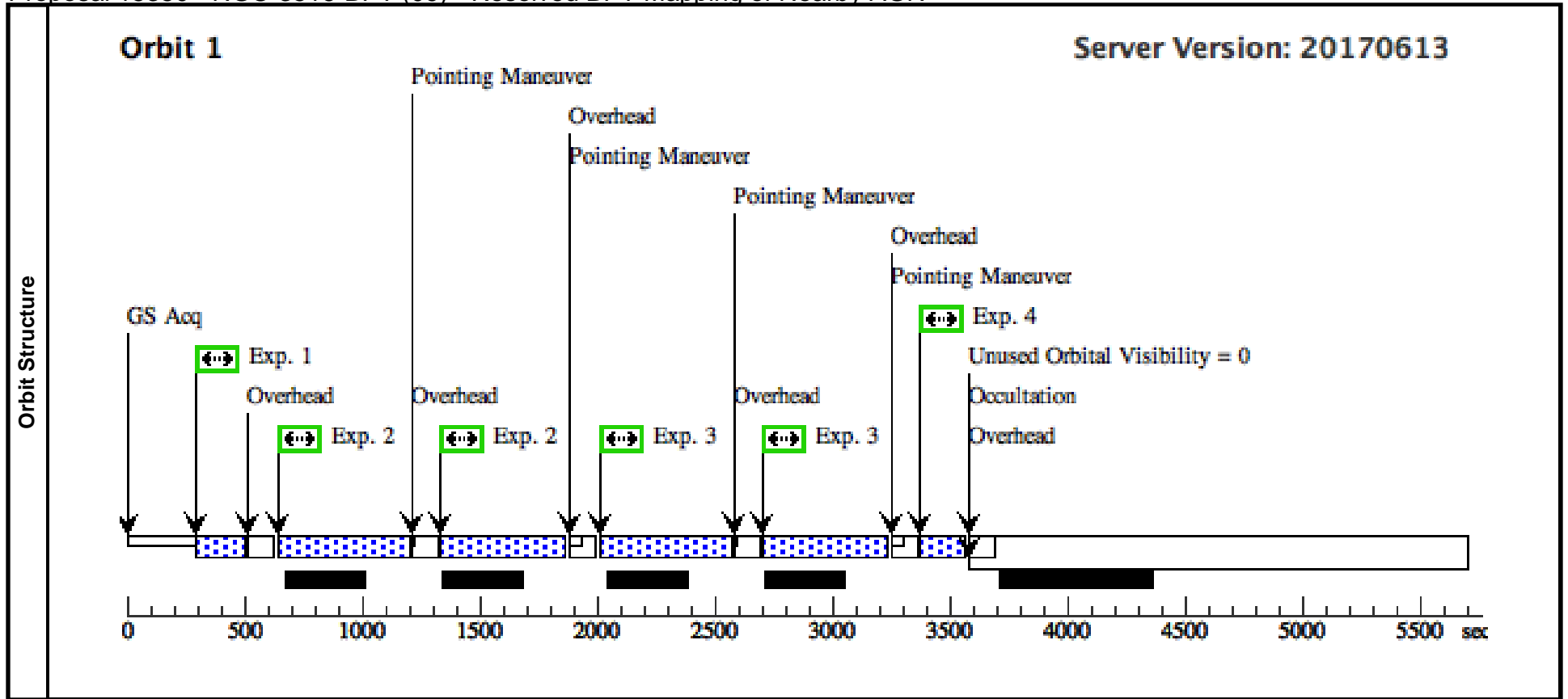
Visit	Proposal 15350, NGC-3081-BPT (08), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	(Hbeta (08.003)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(2), (3)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(6)	NGC-3081	RA: 09 59 29.5310 (149.8730458d) Dec: -22 49 34.32 (-22.82620d) Equinox: J2000				V=13.55	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	CONTINUUM	(6) NGC-3081	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (114 Secs)		
									[==>114.0 Secs]		[1]
	2	S2	(6) NGC-3081	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-3081-BPT (08) (1)	450 Secs (948 Secs)		
									[==>474.0 Secs (Pattern 1)]		[1]
								[==>474.0 Secs (Pattern 2)]			
3	Hbeta	(6) NGC-3081	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12		Pattern 1, Exps 3-3 in NGC-3081-BPT (08) (1)	450 Secs (948 Secs)			
								[==>474.0 Secs (Pattern 1)]		[1]	
								[==>474.0 Secs (Pattern 2)]			
4	CONTINUUM	(6) NGC-3081	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1		90 Secs (114 Secs)			
								[==>114.0 Secs]		[1]	



Proposal 15350 - NGC-3516-BPT (09) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

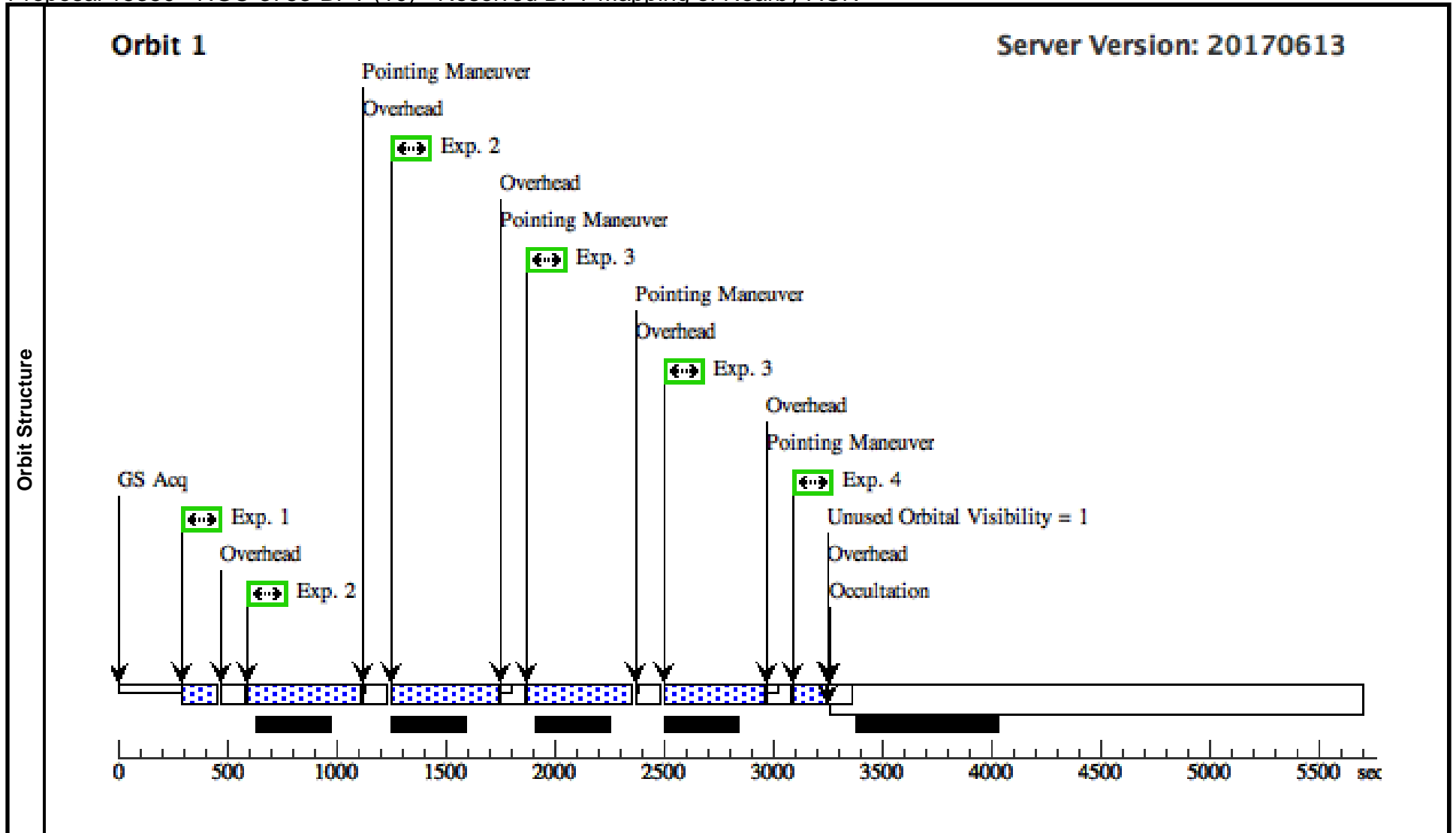
Visit	Proposal 15350, NGC-3516-BPT (09), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	(Hbeta (09.003)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	NGC-3516	RA: 11 06 47.4940 (166.6978917d) Dec: +72 34 6.70 (72.56853d) Equinox: J2000				V=12.4		Reference Frame: SIMBAD		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	CONTINUUM	(2) NGC-3516	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (176 Secs)		
									[==>176.0 Secs]		[1]
	2	S2	(2) NGC-3516	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-3516-BPT (09) (1)	450 Secs (1072 Secs)		
									[==>536.0 Secs (Pattern 1)]		[1]
								[==>536.0 Secs (Pattern 2)]			
3	Hbeta	(2) NGC-3516	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12		Pattern 1, Exps 3-3 in NGC-3516-BPT (09) (1)	450 Secs (1072 Secs)			
								[==>536.0 Secs (Pattern 1)]		[1]	
								[==>536.0 Secs (Pattern 2)]			
4	CONTINUUM	(2) NGC-3516	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1		90 Secs (176 Secs)			
								[==>176.0 Secs]		[1]	



Proposal 15350 - NGC-3783-BPT (10) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

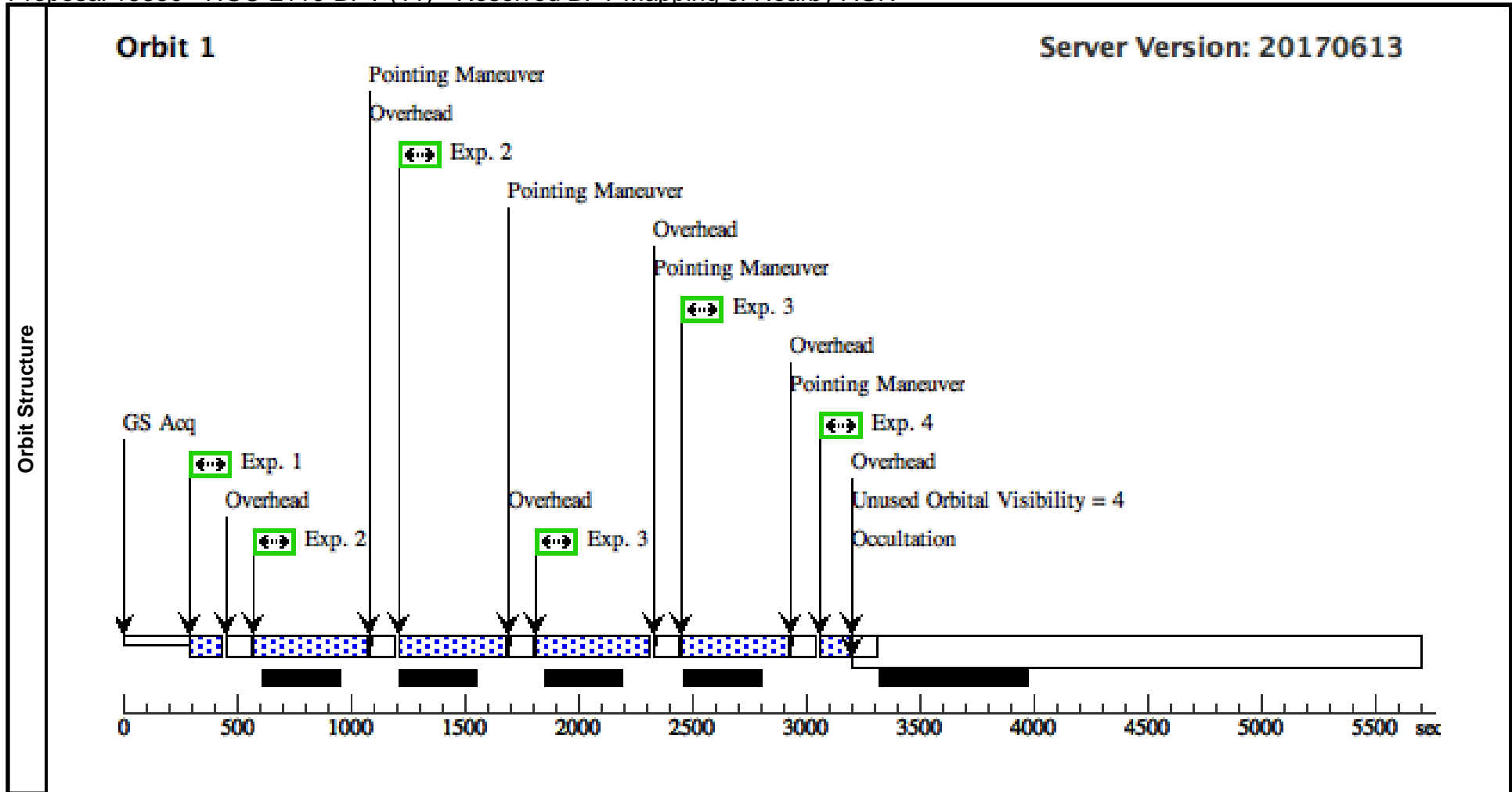
Visit	Proposal 15350, NGC-3783-BPT (10), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 305D TO 25 D; ORIENT 75D TO 120 D; ORIENT 165D TO 240 D										
	(Hbeta (10.003)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	NGC-3783	RA: 11 39 1.7210 (174.7571708d) Dec: -37 44 18.60 (-37.73850d) Equinox: J2000				V=13.43		Reference Frame: SIMBAD		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	CONTINUUM	(8) NGC-3783	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (132 Secs)		
									[==>132.0 Secs]		[1]
	2	S2	(8) NGC-3783	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-3783-BPT (10) (1)	450 Secs (984 Secs)		
									[==>492.0 Secs (Pattern 1)]		[1]
								[==>492.0 Secs (Pattern 2)]			
3	Hbeta	(8) NGC-3783	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12		Pattern 1, Exps 3-3 in NGC-3783-BPT (10) (1)	450 Secs (922 Secs)			
								[==>461.0 Secs (Pattern 1)]		[1]	
								[==>461.0 Secs (Pattern 2)]			
4	CONTINUUM	(8) NGC-3783	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1		90 Secs (132 Secs)			
								[==>132.0 Secs]		[1]	



Proposal 15350 - NGC-2110-BPT (11) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

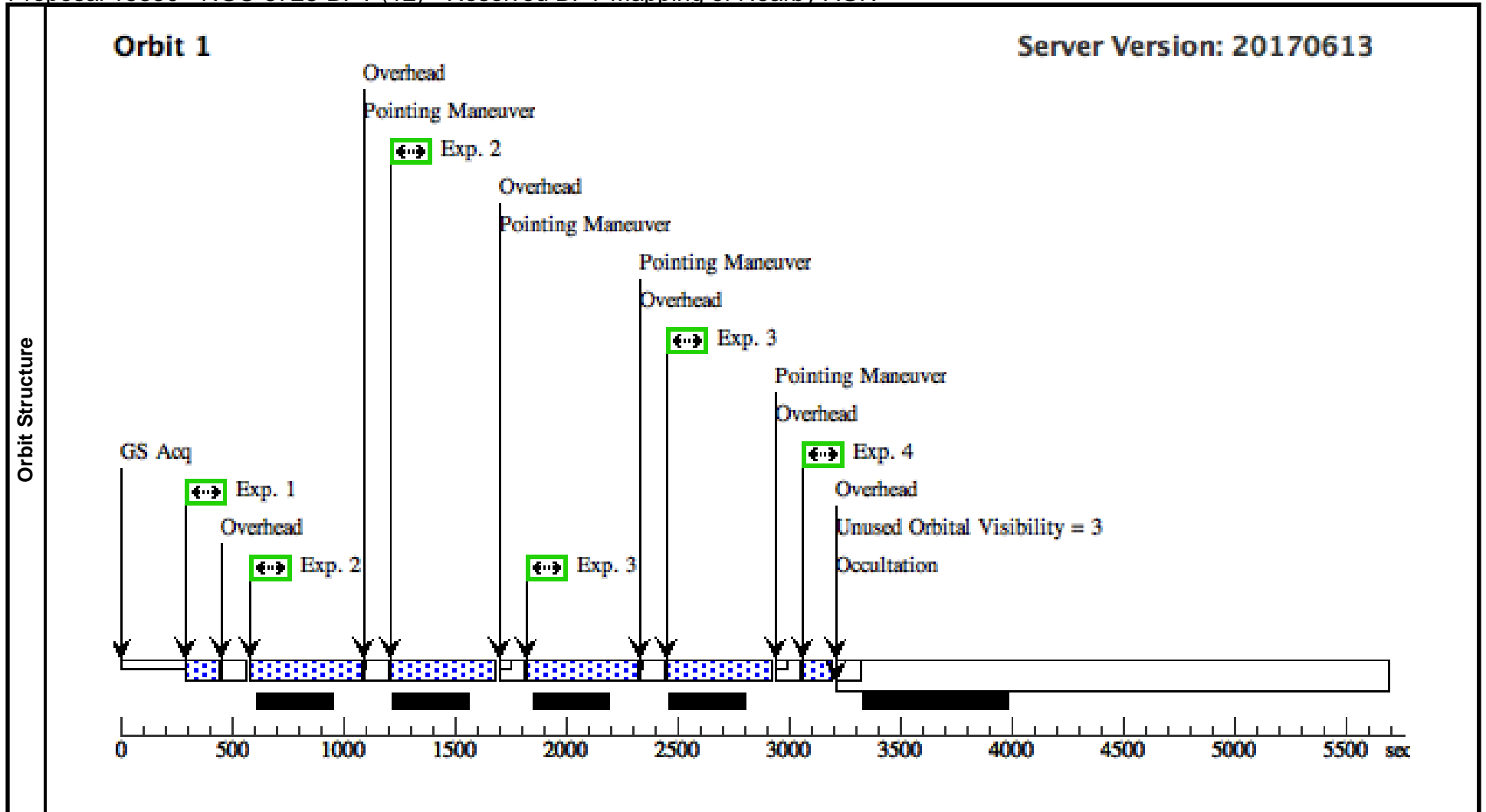
Visit	Proposal 15350, NGC-2110-BPT (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-2110	RA: 05 52 11.4000 (88.0475000d) Dec: -07 27 22.00 (-7.45611d) Equinox: J2000		V=11.83	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(4) NGC-2110	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (112 Secs)	
									[==>112.0 Secs]	[1]
	2	S2	(4) NGC-2110	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-2110-BPT (1) (1)	450 Secs (944 Secs)	
									[==>472.0 Secs (Pattern 1)]	[1]
								[==>472.0 Secs (Pattern 2)]		
3	Hbeta	(4) NGC-2110	WFC3/UVIS, ACCUM, UVIS2	F487N	FLASH=12		Pattern 1, Exps 3-3 in NGC-2110-BPT (1) (1)	450 Secs (944 Secs)		
								[==>472.0 Secs (Pattern 1)]	[1]	
								[==>472.0 Secs (Pattern 2)]		
4	CONTINUUM	(4) NGC-2110	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12		POS TARG 0.1,0.1	90 Secs (112 Secs)		
								[==>112.0 Secs]	[1]	



Proposal 15350 - NGC-5728-BPT (12) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

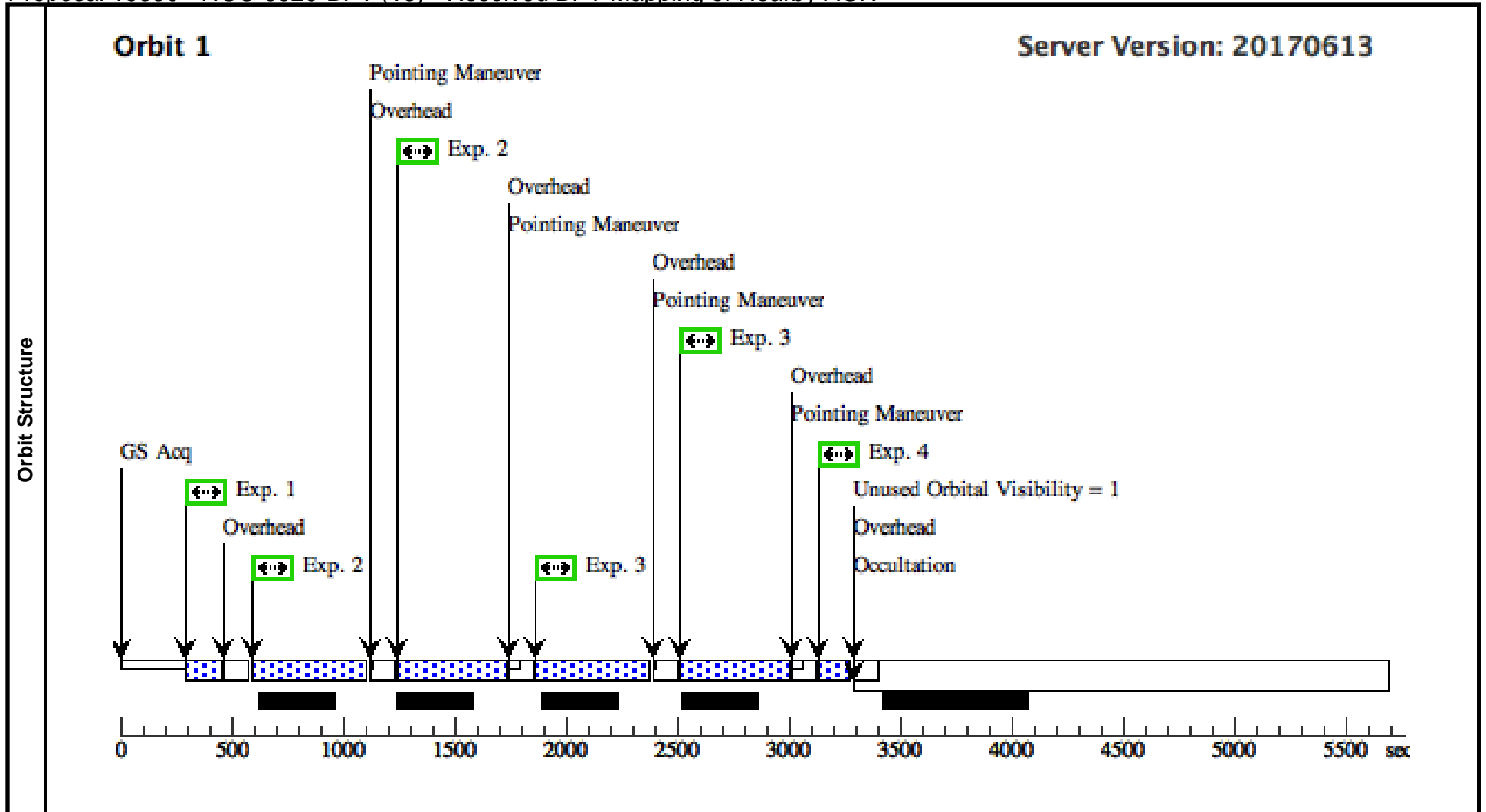
Visit	Proposal 15350, NGC-5728-BPT (12), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	(Hbeta (12.003)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(2), (3)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(12)	NGC-5728	RA: 14 42 23.9280 (220.5997000d) Dec: -17 15 11.41 (-17.25317d) Equinox: J2000				V=13.4	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	CONTINUUM	(12) NGC-5728	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (114 Secs)		
									[==>114.0 Secs]		[1]
	2	S2	(12) NGC-5728	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-5728-BPT (12) (1)	450 Secs (948 Secs)		
									[==>474.0 Secs (Pattern 1)]		[1]
								[==>474.0 Secs (Pattern 2)]			
3	Hbeta	(12) NGC-5728	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12		Pattern 1, Exps 3-3 in NGC-5728-BPT (12) (1)	450 Secs (948 Secs)			
								[==>474.0 Secs (Pattern 1)]		[1]	
								[==>474.0 Secs (Pattern 2)]			
4	CONTINUUM	(12) NGC-5728	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1		90 Secs (114 Secs)			
								[==>114.0 Secs]		[1]	



Proposal 15350 - NGC-5929-BPT (13) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

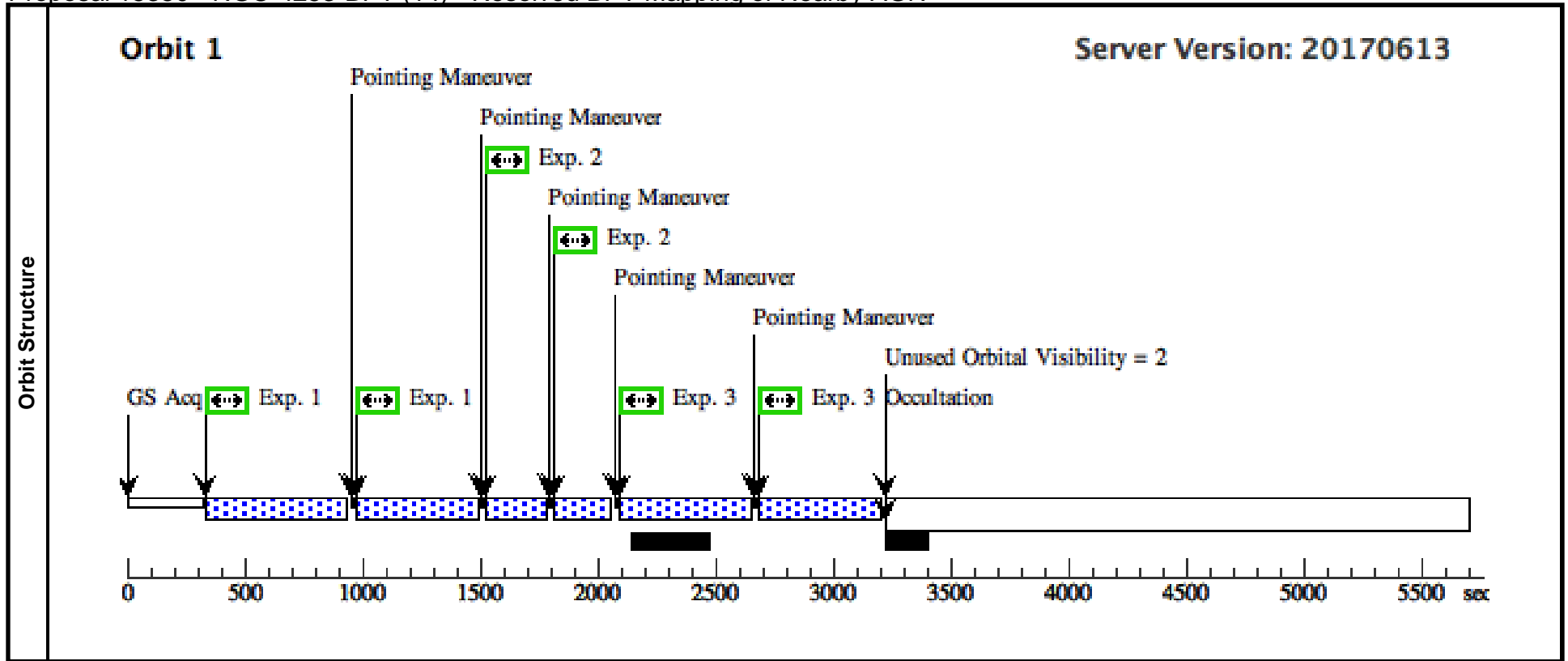
Visit	Proposal 15350, NGC-5929-BPT (13), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Diagnostics	(Hbeta (13.003)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.								
Patterns		#	Primary Pattern				Secondary Pattern			
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2), (3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(13)	NGC-5929	RA: 15 26 6.1580 (231.5256583d) Dec: +41 40 14.40 (41.67067d) Equinox: J2000			V=14.0	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(13) NGC-5929	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12			90 Secs (128 Secs)	
									[==>128.0 Secs]	[1]
	2	S2	(13) NGC-5929	WFC3/UVIS, ACCUM, UVIS2	F673N	FLASH=12		Pattern 1, Exps 2-2 in NGC-5929-BPT (13) (1)	450 Secs (976 Secs)	
									[==>488.0 Secs (Pattern 1)]	[1]
								[==>488.0 Secs (Pattern 2)]		
3	Hbeta	(13) NGC-5929	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12		Pattern 1, Exps 3-3 in NGC-5929-BPT (13) (1)	450 Secs (976 Secs)		
								[==>488.0 Secs (Pattern 1)]	[1]	
								[==>488.0 Secs (Pattern 2)]		
4	CONTINUUM	(13) NGC-5929	WFC3/UVIS, ACCUM, UVIS2	F645N	FLASH=12	POS TARG 0.1,0.1			90 Secs (128 Secs)	
								[==>128.0 Secs]	[1]	



Proposal 15350 - NGC-4253-BPT (14) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

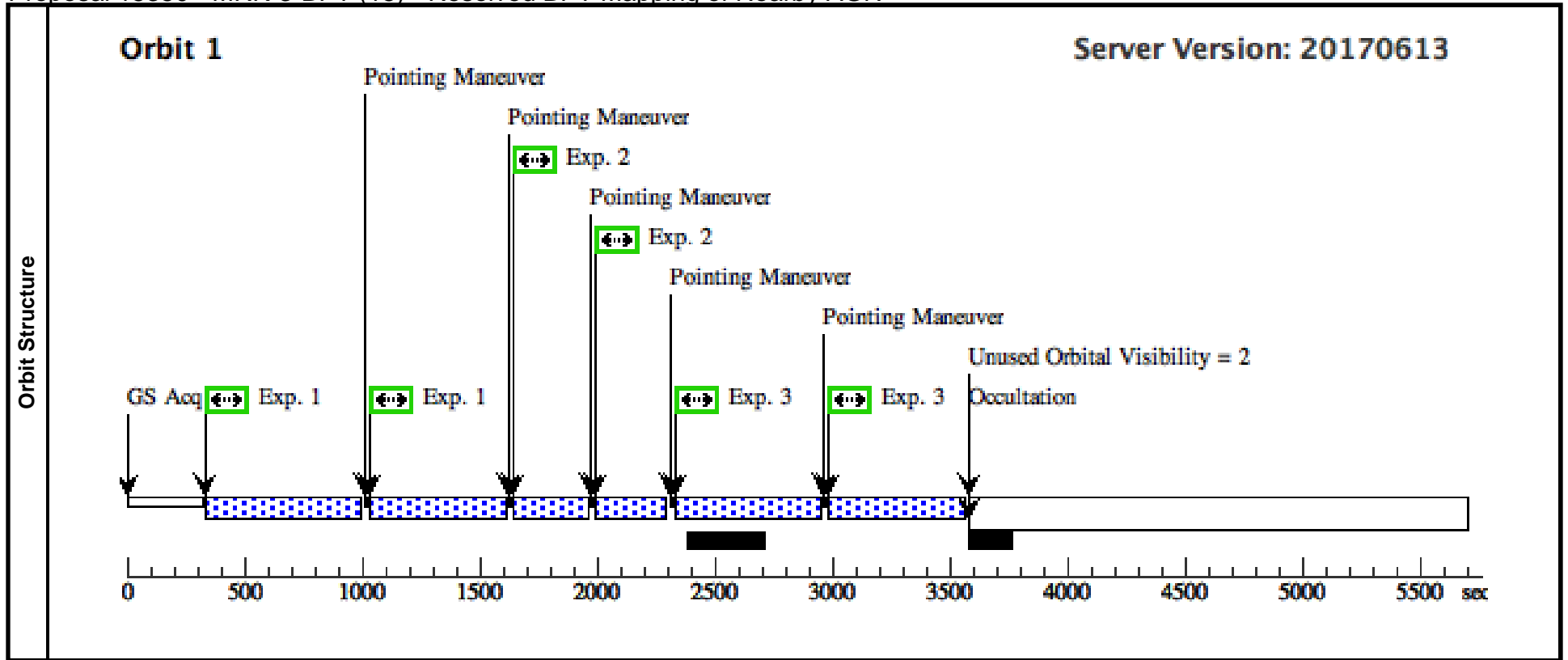
Visit	Proposal 15350, NGC-4253-BPT (14), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)										
	Diagnostics	(S2 (14.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (CONTINUUM (14.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (14.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Patterns		#	Primary Pattern				Secondary Pattern				Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false				(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(14)	NGC-4253	RA: 12 18 26.4840 (184.6103500d) Dec: +29 48 46.15 (29.81282d) Equinox: J2000				V=13.57	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	S2	(14) NGC-4253	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6810.9 A	FLASH=20		Pattern 2, Exps 1-1 in NGC-4253-BPT (14) (2)	380 Secs (780 Secs)		
									[==>390.0 Secs (Pattern 1)]		[1]
									[==>390.0 Secs (Pattern 2)]		
2	CONTINUUM	(14) NGC-4253	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6559.1 A	FLASH=20		Pattern 2, Exps 2-2 in NGC-4253-BPT (14) (2)	100 Secs (220 Secs)			
								[==>110.0 Secs (Pattern 1)]		[1]	
								[==>110.0 Secs (Pattern 2)]			
3	H-beta	(14) NGC-4253	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR505N 4923.8 A	FLASH=20		Pattern 2, Exps 3-3 in NGC-4253-BPT (14) (2)	380 Secs (780 Secs)			
								[==>390.0 Secs (Pattern 1)]		[1]	
								[==>390.0 Secs (Pattern 2)]			



Proposal 15350 - MRK-3-BPT (15) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

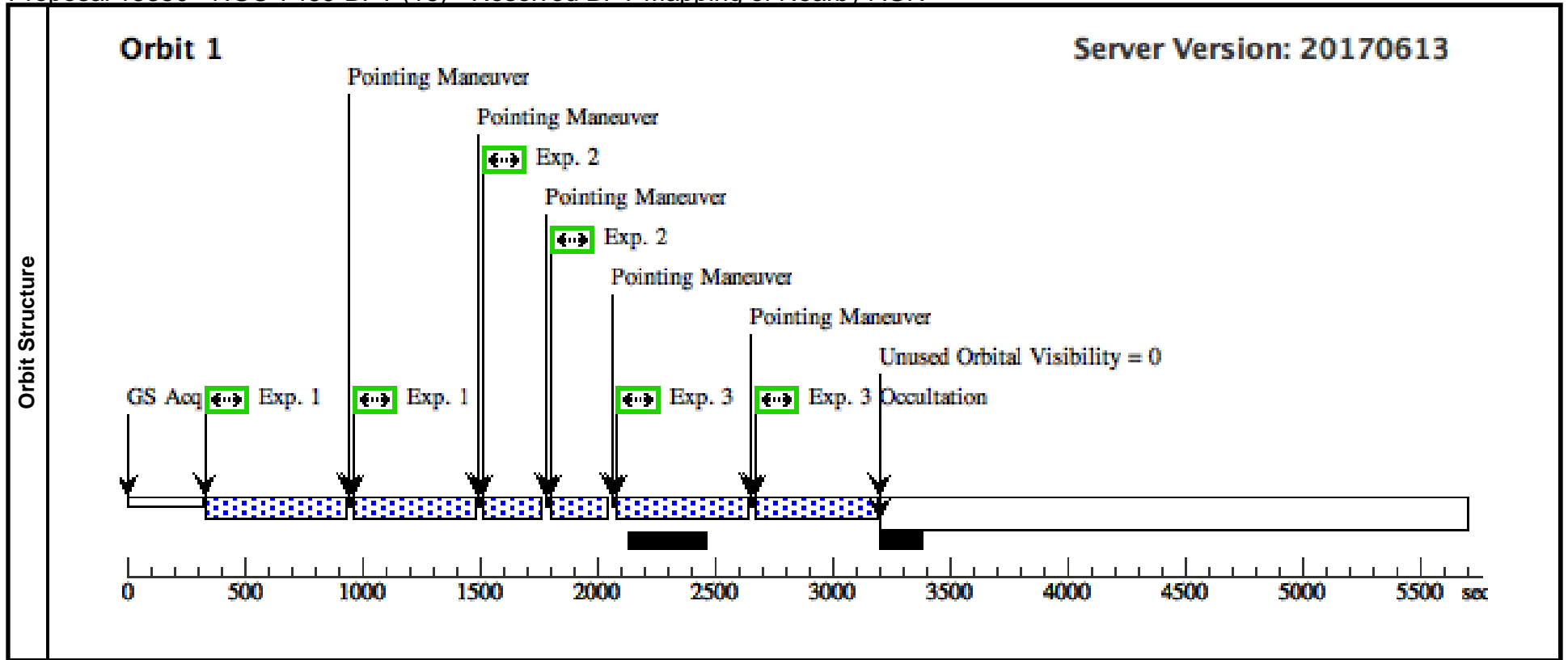
Visit	Proposal 15350, MRK-3-BPT (15), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Diagnosics (S2 (15.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (CONTINUUM (15.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (15.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	MRK-3	RA: 06 15 36.4580 (93.9019083d) Dec: +71 02 15.24 (71.03757d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>		V=12.97	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	S2	(15) MRK-3	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6814.8 A	FLASH=20		Pattern 2, Exps 1-1 in MRK-3-BPT (15) (2)	380 Secs (900 Secs) [=>450.0 Secs (Pattern 1)] [=>450.0 Secs (Pattern 2)]	[1]
	2	CONTINUUM	(15) MRK-3	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6562.9 A	FLASH=20		Pattern 2, Exps 2-2 in MRK-3-BPT (15) (2)	100 Secs (340 Secs) [=>170.0 Secs (Pattern 1)] [=>170.0 Secs (Pattern 2)]	[1]
	3	H-beta	(15) MRK-3	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR505N 4926.7 A	FLASH=20		Pattern 2, Exps 3-3 in MRK-3-BPT (15) (2)	380 Secs (900 Secs) [=>450.0 Secs (Pattern 1)] [=>450.0 Secs (Pattern 2)]	[1]



Proposal 15350 - NGC-7469-BPT (16) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

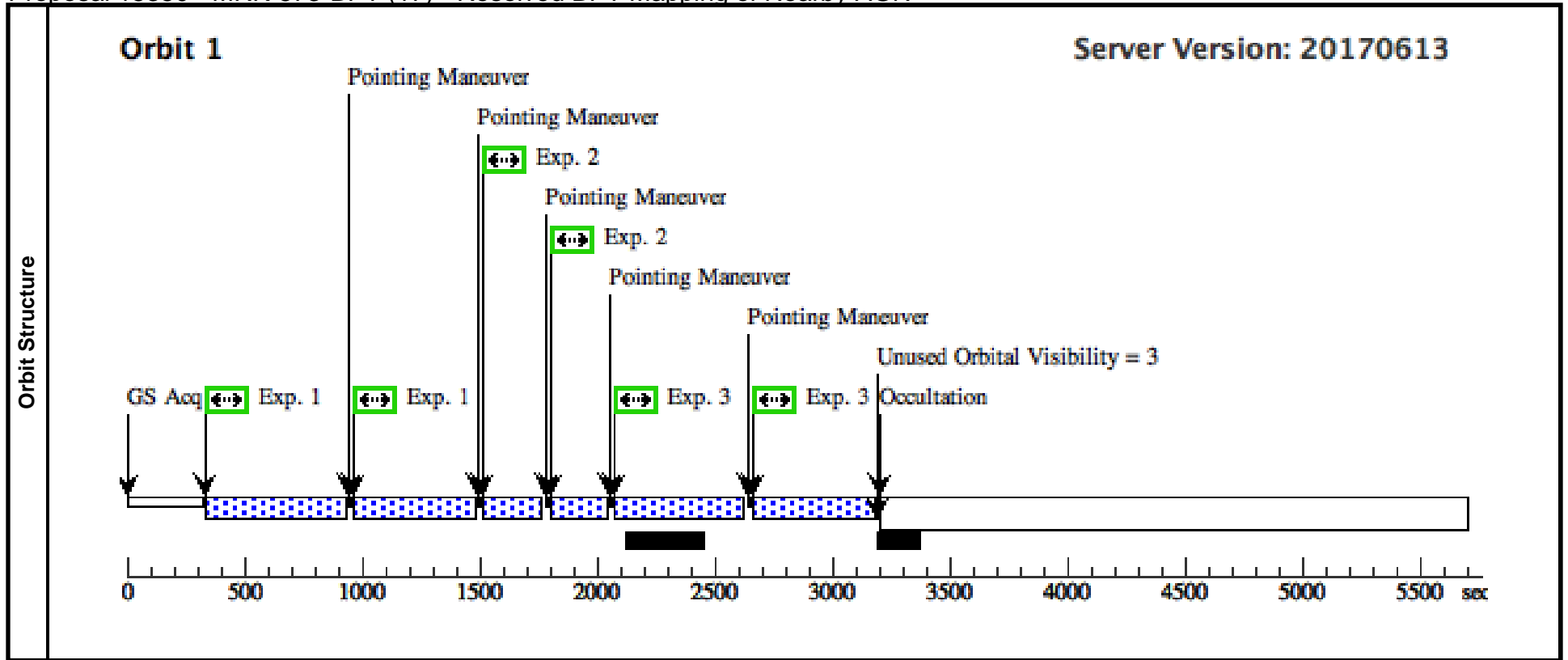
Visit	Proposal 15350, NGC-7469-BPT (16), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Diagnosics (S2 (16.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (CONTINUUM (16.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (16.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	NGC-7469	RA: 23 03 15.6740 (345.8153083d) Dec: +08 52 25.28 (8.87369d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.		V=12.34	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	S2	(17) NGC-7469	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6833.4 A	FLASH=20		Pattern 2, Exps 1-1 in NGC-7469-BPT (16) (2)	380 Secs (774 Secs) [=>387.0 Secs (Pattern 1)] [=>387.0 Secs (Pattern 2)]	[1]
	2	CONTINUUM	(17) NGC-7469	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6580.7 A	FLASH=20		Pattern 2, Exps 2-2 in NGC-7469-BPT (16) (2)	100 Secs (214 Secs) [=>107.0 Secs (Pattern 1)] [=>107.0 Secs (Pattern 2)]	[1]
	3	H-beta	(17) NGC-7469	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR505N 4940.1 A	FLASH=20		Pattern 2, Exps 3-3 in NGC-7469-BPT (16) (2)	380 Secs (774 Secs) [=>387.0 Secs (Pattern 1)] [=>387.0 Secs (Pattern 2)]	[1]



Proposal 15350 - MRK-573-BPT (17) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

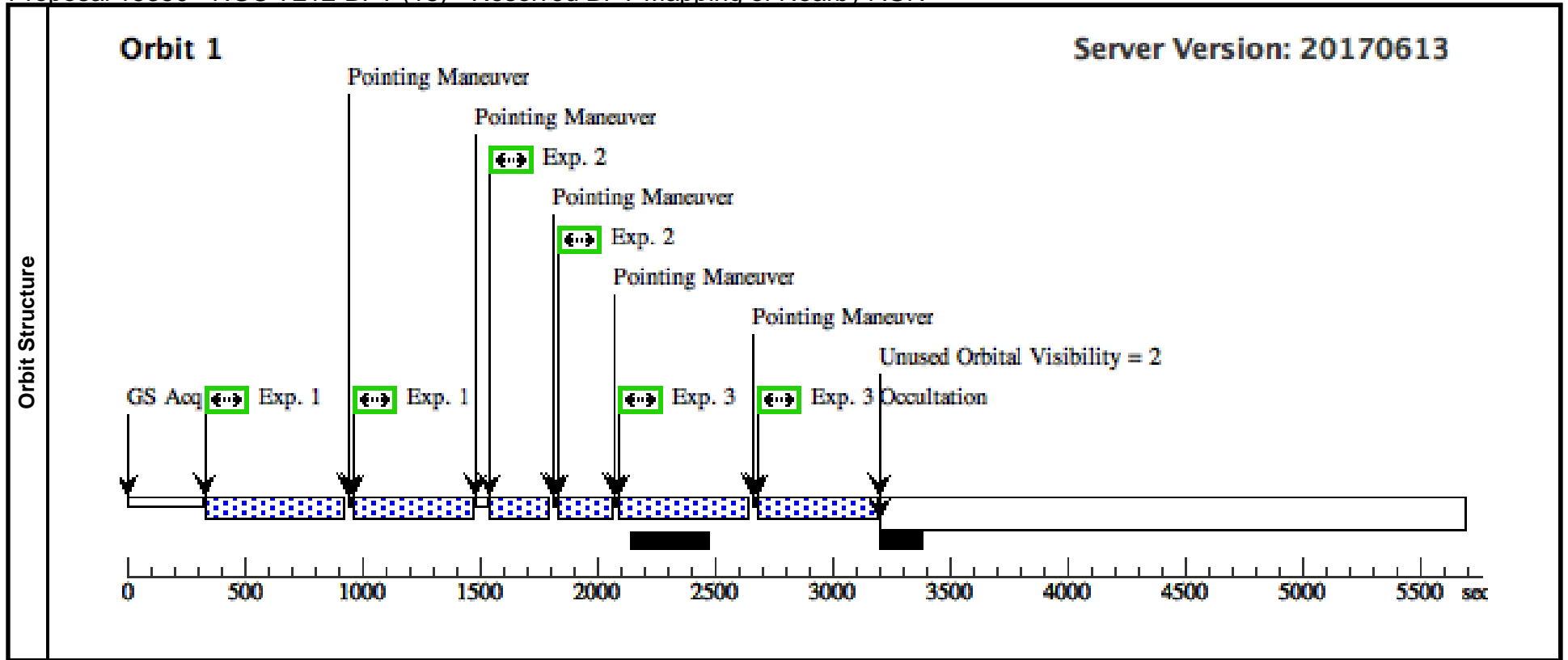
Visit	Proposal 15350, MRK-573-BPT (17), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Diagnostics	(S2 (17.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (CONTINUUM (17.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (17.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.								
Patterns		#	Primary Pattern				Secondary Pattern			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false								(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(19)	MRK-573	RA: 01 43 57.7650 (25.9906875d) Dec: +02 20 59.67 (2.34991d) Equinox: J2000				V=14.07	Reference Frame: SIMBAD		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	S2	(19) MRK-573	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6839.5 A	FLASH=20		Pattern 2, Exps 1-1 in MRK-573-BPT (17) (2)	380 Secs (772 Secs) [==>386.0 Secs (Pattern 1)] [==>386.0 Secs (Pattern 2)]	[1]
	2	CONTINUUM	(19) MRK-573	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6586.6 A	FLASH=20		Pattern 2, Exps 2-2 in MRK-573-BPT (17) (2)	100 Secs (212 Secs) [==>106.0 Secs (Pattern 1)] [==>106.0 Secs (Pattern 2)]	[1]
	3	H-beta	(19) MRK-573	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR505N 4944.5 A	FLASH=20		Pattern 2, Exps 3-3 in MRK-573-BPT (17) (2)	380 Secs (772 Secs) [==>386.0 Secs (Pattern 1)] [==>386.0 Secs (Pattern 2)]	[1]



Proposal 15350 - NGC-7212-BPT (18) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

Visit	Proposal 15350, NGC-7212-BPT (18), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Diagnosics (S2 (18.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (CONTINUUM (18.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (18.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	NGC-7212	RA: 22 07 1.9920 (331.7583000d) Dec: +10 14 0.49 (10.23347d) Equinox: J2000		V=(?) B=15.1	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	S2	(16) NGC-7212	ACS/WFC, ACCUM, WFC1-IRAMPQ	FR716N 6898.8 A	FLASH=20		Pattern 2, Exps 1-1 in NGC-7212-BPT (18) (2)	380 Secs (760 Secs) [==>380.0 Secs (Pattern 1)] [==>380.0 Secs (Pattern 2)]	[1]
	2	CONTINUUM	(16) NGC-7212	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6643.8 A	FLASH=20		Pattern 2, Exps 2-2 in NGC-7212-BPT (18) (2)	100 Secs (200 Secs) [==>100.0 Secs (Pattern 1)] [==>100.0 Secs (Pattern 2)]	[1]
	3	H-beta	(16) NGC-7212	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR505N 4987.4 A	FLASH=20		Pattern 2, Exps 3-3 in NGC-7212-BPT (18) (2)	380 Secs (760 Secs) [==>380.0 Secs (Pattern 1)] [==>380.0 Secs (Pattern 2)]	[1]



Proposal 15350 - NGC-7674-BPT (19) - Resolved BPT Mapping of Nearby AGN

Fri Sep 15 17:00:36 GMT 2017

Visit	Proposal 15350, NGC-7674-BPT (19), implementation Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none)									
	(CONTINUUM (19.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (S2 (19.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3182 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false								(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	NGC-7674	RA: 23 27 56.7040 (351.9862667d) Dec: +08 46 44.35 (8.77899d) Equinox: J2000		V=13.23	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	CONTINUUM	(18) NGC-7674	ACS/WFC, ACCUM, WFC1-MRAMPQ	FR656N 6643.8 A	FLASH=20		Pattern 2, Exps 1-1 in NGC-7674-BPT (19) (2)	100 Secs (190 Secs) [=>95.0 Secs (Pattern 1)] [=>95.0 Secs (Pattern 2)]	[1]
	2	S2	(18) NGC-7674	ACS/WFC, ACCUM, WFC1-IRAMPQ	FR716N 6898.8 A	FLASH=20		Pattern 2, Exps 2-2 in NGC-7674-BPT (19) (2)	380 Secs (750 Secs) [=>375.0 Secs (Pattern 1)] [=>375.0 Secs (Pattern 2)]	[1]
	3	H-beta	(18) NGC-7674	ACS/WFC, ACCUM, WFC1-IRAMP	F502N	FLASH=20		Pattern 2, Exps 3-3 in NGC-7674-BPT (19) (2)	380 Secs (750 Secs) [=>375.0 Secs (Pattern 1)] [=>375.0 Secs (Pattern 2)]	[1]

